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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/626,589	07/25/2003	Tsuncaki Kurumida	00862.023156	9753

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EXAMINER

RODRIGUEZ, LENNIN R

ART UNIT	PAPER NUMBER
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2609

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/626,589

Applicant(s)

KURUMIDA, TSUNEAKI

Examiner

Lennin R. Rodriguez

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 July 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 7/25/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 12/21/2006 and 12/27/2006.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoshida et al. (US Patent 5,361,332).

(1) regarding claims 1, 4 and 7:

Yoshida et al. disclose a font downloading apparatus for downloading fonts to a character output apparatus, comprising:

a selector for allowing one of character coding schemes supported by the character output apparatus to be selected if the character coding scheme of the fonts cannot be used on the character output apparatus (Figs. 1, 4, and 13, column 8, lines 64-68 and column 9, lines 1-34 and column 23, lines 4-60, where the font data is being interpreted as the code scheme and the user can select the font data);

a converter for converting the character coding scheme of the fonts into the character coding scheme selected via the selector (Figs. 1, 4, and 13, column 8, lines 64-68 and column 9, lines 1-34 and column 23, lines 4-60, where the font data is being interpreted as the code scheme and the user can select the font data and column 5, lines 46-63); and

a downloader for downloading the fonts whose character coding scheme has been converted by the converter onto the character output apparatus (Figs. 1, 4, and 13, column 8, lines 64-68 and column 9, lines 1-34 and column 23, lines 4-60, where the font data is being interpreted as the code scheme and the user can select the font data and column 1, lines 53-61).

(2) regarding claim 2, 5 and 8:

Yoshida et al. further disclose an acquisition unit for acquiring coding schemes supported by the character output apparatus from the character output apparatus (column 3, lines 48-68 and column 4, lines 1-3, where the font information is being loaded from the information processing device that has the supported coding scheme by another information device); and a determination unit for determining that the character coding scheme of the fonts cannot be used by the character output apparatus if the coding schemes acquired by the acquisition unit do not contain the character coding scheme of the fonts (column 4, lines 67-68 and column 5, lines 1-13, where the discrimination function is being interpreted as the determination unit).

(3) regarding claim 3, 6 and 9:

Yoshida et al. further disclose a storage for storing the type of the character output apparatus and character coding schemes supported by the character output apparatus by associating them with each other (column 1, lines 62-68 and column 2, lines 1-2, where the font data is being stored in the information processing device); and a determination unit for determining that the character coding scheme of the fonts cannot be used by the character output apparatus if the coding schemes associated

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with the character output apparatus do not contain the character coding scheme of the fonts (column 4, lines 67-68 and column 5, lines 1-13, where the discrimination function is being interpreted as the determination unit).

(4) regarding claim 10:

Yoshida et al. further disclose wherein after being converted by the conversion means, character codes are further converted into printer character codes by the character output apparatus (column 5, lines 62-68, where the conversion is being made in accordance with the printing device which is being interpreted as the output device).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshida et al. (US Patent 5,361,332) in view of Oomura et al. (US Publication 2003/0002063).

Yoshida et al. disclose all the subject matter as described above except wherein, the character codes after conversion by the conversion means are Unicode character codes while the printer character codes are Western European, Cyrillic, or other character codes associated with a language or region.

However, Oomura et al. teach wherein, the character codes after conversion by the conversion means are Unicode character codes (paragraph [0274], lines 3-5) while

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the printer character codes are Western European, Cyrillic, or other character codes associated with a language or region (paragraph [0276] and paragraph [0277], where the character glyph is the representation of a shape of a character (paragraph [0048], line 1) which are region related characters).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made that the character codes after conversion by the conversion means are Unicode character codes while the printer character codes are Western European, Cyrillic, or other character codes associated with a language or region as taught by Oomura et al., in the system of Yoshida et al. Since Unicode cannot be used in the OS, the graphic engine looks up a glyph index table corresponding to the character font designated by Unicode and transfers, to the printer driver a glyph index corresponding to the designated character code (paragraph [0275]), with this the system performance is improved as well as increasing the compatibility of the system.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ooishi et al. (US Patent 5,699,524) discloses that in a distributed information processing system which is capable of transmitting a character string as information with first and second character string storing means which are based on character coding schemes and connected to each other over telecommunication line, there is provided a code conversion means for converting a character string outputted from said first character string storing means into a character code based on the

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character coding scheme in said second character string storing means, so that the external character can be uniformly dealt with between platforms connected through a network.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lennin R. Rodriguez whose telephone number is (571) 270-1678. The examiner can normally be reached on Monday - Friday 7:30am - 5:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on (571) 272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lennin Rodriguez
5/14/07



SHUWANG LIU
SUPERVISORY PATENT EXAMINER